

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

November 10, 1987

INTERNATIONAL SEISMIC CREW COUNT

Contact: David L. Yowell

or Sally Shank

(918) 493-3516

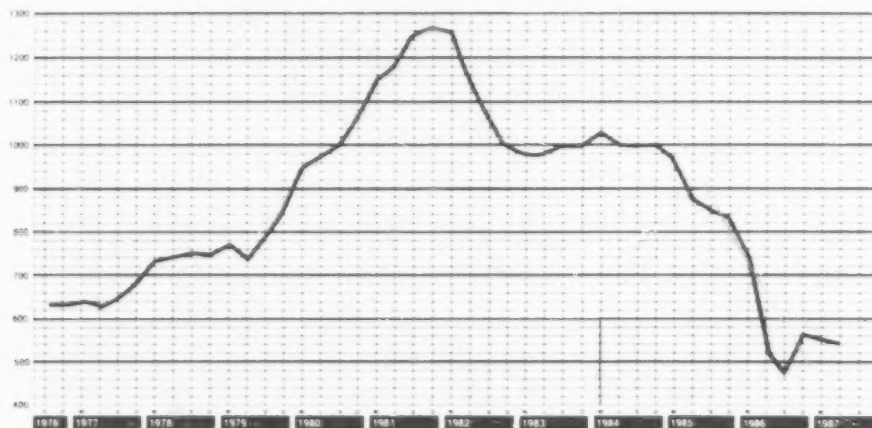
WORLDWIDE SEISMIC OIL AND GAS EXPLORATION CREW AND VESSEL TOTAL

SHOWS A SMALL DECREASE DURING THE SECOND QUARTER OF 1987

Seismic exploration for oil and gas decreased during the second quarter of 1987 with a total of 553 crews and vessels active. The number of land crews decreased by twenty-three from the March, 1987 total of 501, and the marine crew total increased by twenty-one for a net decrease of two from the March total of 555 crews and vessels active around the world. Increases were reported in the United States, Central and South America, Europe, the Middle East, Africa and the Far East.

The international survey reflects data reported on seismic oil exploration activity by ninety-four private and governmental crew operators around the world. Special significance is attached to the figures since seismic crew activity is recognized as the leading indicator of all petroleum exploration activity.

INTERNATIONAL SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



INTERNATIONAL SEISMIC CREW COUNT, JUNE 1987

Geographically, seismic exploration for oil and gas during June, 1987 was reported as follows (First quarter, March, 1987 figures are shown in parentheses):

	UNITED STATES			CANADA	
	Land	Marine		Land	Marine
43 Contractors:	133 (118)	19 (15)	21 Contractors:	32 (82)	1 (0)
7 Oil Companies:	14 (14)	3 (3)	1 Oil Company	2 (2)	0 (0)
1 Government	0 (0)	0 (0)			
Totals:	147 (132)	22 (18)	Totals	34 (84)	1 (0)

(OVER)



	MEXICO			CENTRAL & SOUTH AMERICA	
	Land	Marine		Land	Marine
4 Contractors:	19 (19)	0 (0)	7 Contractors:	29 (30)	4 (3)
1 Government:	5* (5)*	0* (0)*	4 Governments:	14* (13)*	1* (0)*
0 Oil Companies:	0 (0)	0 (0)	0 Oil Companies:	0 (0)	0 (0)
Totals:	24* (24)*	0* (0)*	Totals:	43* (43)*	5* (3)*

	EUROPE			MIDDLE EAST	
	Land	Marine		Land	Marine
12 Contractors	36 (33)	28 (16)	7 Contractors:	26 (25)	4 (3)
1 Government:	2 (1)	0 (0)	3 Governments:	11* (8)*	0* (0)*
4 Oil Companies:	16 (14)	1 (1)	0 Oil Companies:	0 (0)	0 (0)
Totals:	54 (48)	29 (17)	Totals:	38* (33)*	4* (3)*

	AFRICA			FAR EAST	
	Land	Marine		Land	Marine
8 Contractors:	27 (26)	4 (4)	10 Contractors:	47 (55)	7 (6)
2 Governments:	11 (11)	0 (0)	3 Governments:	50 (44)	2 (2)
0 Oil Companies:	0 (0)	0 (0)	1 Oil Company:	3 (1)	1 (1)
Totals:	38 (37)	4 (4)	Totals:	100 (100)	10 (9)

JUNE TOTALS:

	Land Crews	Marine Vessels
United States:	147 (132)	22 (18)
Canada:	34 (84)	1 (0)
Mexico:	24* (24)*	0* (0)*
Central & South America:	43* (43)*	5* (3)*
Europe:	54 (48)	29 (17)
Middle East:	38* (33)*	4* (3)
Africa:	38* (37)	4* (4)
Far East:	100 (100)	10 (9)
Totals:	478* (501)*	75* (54)*
<u>Total Crews and Vessels:</u>	553* (555)*	

*These totals include estimates from informed industry sources of additional unreported crews and vessels.

SEG's International Seismic Crew Count is financed in part by a grant from the International Association of Geophysical Contractors.

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

Contact: David L. Yowell
or Sally Shank
(918) 493-3516

INTERNATIONAL SEISMIC CREW COUNT

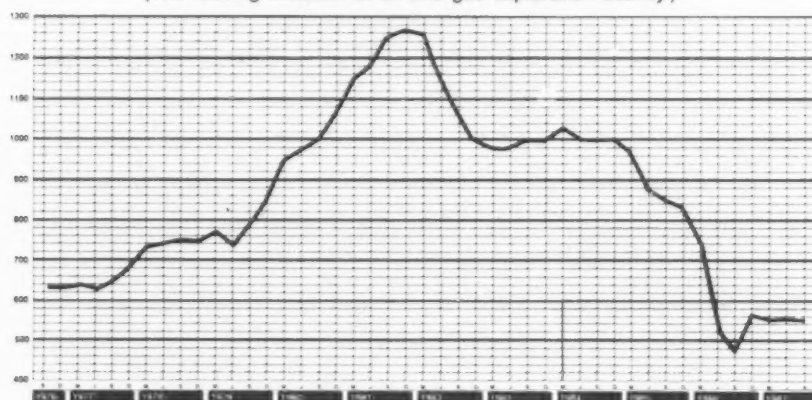
December 8, 1987

WORLDWIDE SEISMIC OIL AND GAS EXPLORATION CREW AND VESSEL TOTAL CONTINUES TO DECREASE DURING THE THIRD QUARTER OF 1987

Seismic exploration for oil and gas decreased during the third quarter of 1987 with a total of 550 crews and vessels active. The number of land crews decreased by twelve from the June, 1987 total of 480⁺, and the marine crew total increased by seven for a net decrease of five from the June total of 555⁺ crews and vessels active around the world. Increases were reported in the United States, Canada, Central and South America, and Europe.

The international survey reflects data reported on seismic oil exploration activity by ninety-five private and governmental crew operators around the world. Special significance is attached to the figures since seismic crew activity is recognized as the leading indicator of all petroleum exploration activity.

INTERNATIONAL SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



INTERNATIONAL SEISMIC CREW COUNT, SEPTEMBER, 1987

Geographically, seismic exploration for oil and gas during September, 1987 was reported as follows (Second quarter, June, 1987 figures are shown in parentheses):

	UNITED STATES			CANADA	
	Land	Marine		Land	Marine
43 Contractors:	151 (133)	26 (19)	23 Contractors:	46 (32)	1 (1)
7 Oil Companies:	13 (14)	3 (3)	1 Oil Company	2 (2)	0 (0)
1 Government	0 (0)	0 (0)			
Totals:	164 (147)	29 (22)	Totals	48 (34)	1 (1)

(OVER)

+Revised total.



	MEXICO	
	Land	Marine
3 Contractors:	16 (19)	1 (0)
1 Government:	5* (5)*	0* (0)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	21* (24)*	1* (0)*

	CENTRAL & SOUTH AMERICA	
	Land	Marine
7 Contractors:	30 (29)	4 (4)
4 Governments:	17 (14)*	1 (1)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	47 (43)*	5 (5)*

	EUROPE	
	Land	Marine
12 Contractors:	42 (36)	28 (28)
1 Government:	1 (2)	1 (0)
4 Oil Companies:	16 (16)	1 (1)
Totals:	59 (54)	30 (29)

	MIDDLE EAST	
	Land	Marine
8 Contractors:	26 (29)+	4 (4)
3 Governments:	11 (11)*	0 (0)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	37 (40)*+	4* (4)*

	AFRICA	
	Land	Marine
9 Contractors:	28 (27)	3 (4)
2 Governments:	11 (11)	0 (0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	39 (38)	3 (4)

	FAR EAST	
	Land	Marine
10 Contractors:	42 (47)	8 (7)
2 Governments:	9 (50)	0 (2)
1 Oil Company:	2 (3)	1 (1)
Totals:	53 (100)	9 (10)

SEPTEMBER TOTALS:

	Land Crews	Marine Vessels
United States:	164 (147)	29 (22)
Canada:	48 (34)	1 (1)
Mexico:	21* (24)*	1* (0)*
Central & South America:	47 (43)*	5 (5)*
Europe:	59* (54)	30* (29)
Middle East:	37 (40)*+	4 (4)*
Africa:	39 (38)*	3 (4)*
Far East:	53 (100)	9 (10)
Totals:	468* (480)*+	82* (75)*
<u>Total Crews and Vessels:</u>	550* (555)*+	

+Revised total.

*These totals include estimates from informed industry sources of additional unreported crews and vessels.

SEG's International Seismic Crew Count is financed in part by a grant from the International Association of Geophysical Contractors.

5/17/88

A 8912-2

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

May 10, 1988

Contact: David L. Yowell
or Sally Shank
(918) 493-3516

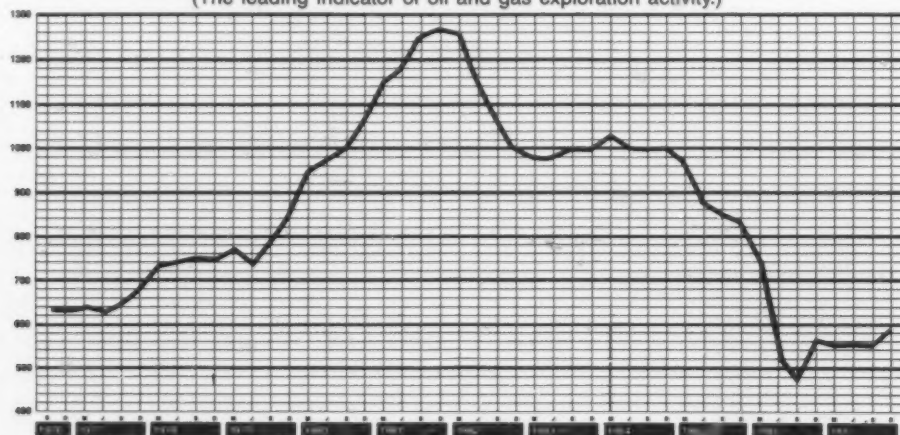
INTERNATIONAL SEISMIC CREW COUNT

WORLDWIDE SEISMIC OIL AND GAS EXPLORATION CREW AND VESSEL TOTAL
SHOWS A MARKED INCREASE DURING THE FOURTH QUARTER OF 1987

Seismic exploration for oil and gas increased during the fourth quarter of 1987 with a total of 589 crews and vessels active. The number of land crews increased by fifty from the September, 1987 total of 468, and the marine crew total decreased by eleven for a net increase of thirty-nine from the September total of 550 crews and vessels active around the world. Increases were reported in the United States, Canada, Mexico, Central and South America, and the Far East.

The international survey reflects data reported on seismic oil exploration activity by ninety-six private and governmental crew operators around the world. Special significance is attached to the figures since seismic crew activity is recognized as the leading indicator of all petroleum exploration activity.

INTERNATIONAL SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



INTERNATIONAL SEISMIC CREW COUNT, DECEMBER, 1987

Geographically, seismic exploration for oil and gas during December, 1987 was reported as follows (Third quarter, September, 1987 figures are shown in parentheses):

	UNITED STATES			CANADA	
	Land	Marine		Land	Marine
43 Contractors:	157 (151)	24 (26)	25 Contractors:	62 (46)	0 (1)
8 Oil Companies:	15 (13)	3 (3)	1 Oil Company	2 (2)	0 (0)
1 Government	0 (0)	0 (0)			
Totals:	172 (164)	27 (29)	Totals	64 (48)	0 (1)

(OVER)



	MEXICO	
	Land	Marine
3 Contractors:	17 (16)	0 (1)
1 Government:	5 (5)*	0 (0)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	22 (21)*	0 (1)*

	CENTRAL & SOUTH AMERICA	
	Land	Marine
8 Contractors:	35 (30)	6 (4)
4 Governments:	17 (17)	0 (1)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	52 (47)	6 (5)

	EUROPE	
	Land	Marine
12 Contractors	39 (42)	21 (28)
1 Government:	1 (1)	0 (1)
4 Oil Companies:	8 (16)	1 (1)
Totals:	48 (59)	22 (30)

	MIDDLE EAST	
	Land	Marine
7 Contractors:	27 (26)	1 (4)
1 Government:	2 (11)	0 (0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	29 (37)	1 (4)

	AFRICA	
	Land	Marine
7 Contractors:	24 (28)	7 (3)
2 Governments:	11*(11)	0*(0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	35*(39)	7*(3)

	FAR EAST	
	Land	Marine
10 Contractors:	45*(42)	6*(8)
2 Governments:	48 (9)	2 (0)
1 Oil Company:	3 (2)	0 (1)
Totals:	96*(53)	8*(9)

DECEMBER TOTALS:

	Land Crews	Marine Vessels
United States:	172 (164)	27 (29)
Canada:	64 (48)	0 (1)
Mexico:	22 (21)*	0 (1)*
Central & South America:	52 (47)	6 (5)
Europe:	48 (59)*	22 (30)*
Middle East:	29 (37)	1 (4)
Africa:	35*(39)	7*(3)
Far East:	96*(53)	8*(9)
Totals:	518*(468)*	71*(82)*
<u>Total Crews and Vessels:</u>	589*(550)*	

*These totals include estimates from informed industry sources of additional unreported crews and vessels.

SEG's International Seismic Crew Count is financed in part by a grant from the International Association of Geophysical Contractors.

8/16/88

A8912-2

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

August 9, 1988

Contact: David L. Yowell
or Sally Shank
(918) 493-3516

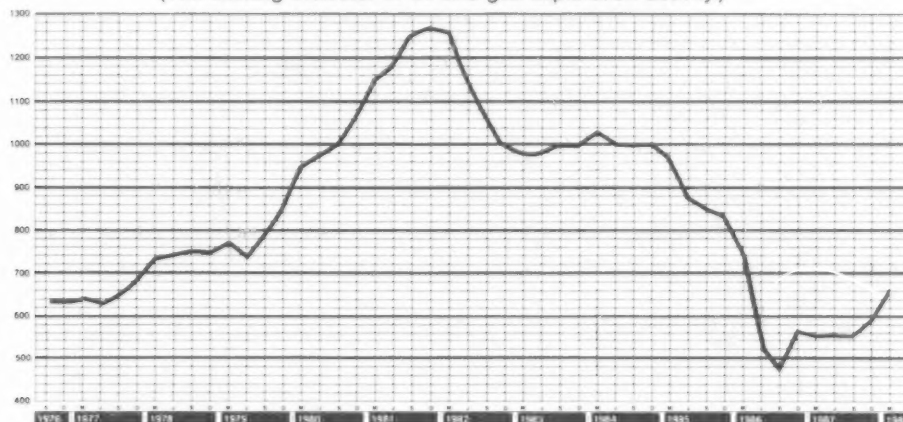
INTERNATIONAL SEISMIC CREW COUNT

WORLDWIDE SEISMIC OIL AND GAS EXPLORATION CREW AND VESSEL TOTAL CONTINUES TO INCREASE DURING THE FIRST QUARTER OF 1988

Seismic exploration for oil and gas increased during the first quarter of 1988 with a total of 657 crews and vessels active. The number of land crews increased by sixty-four from the December, 1987 total of 518, and the marine crew total increased by four for a net increase of sixty-eight from the December total of 589 crews and vessels active around the world. Increases were reported in Canada, Central and South America, the Middle East and the Far East.

The international survey reflects data reported on seismic oil exploration activity by one hundred and one private and governmental crew operators around the world. Special significance is attached to the figures since seismic crew activity is recognized as the leading indicator of all petroleum exploration activity.

INTERNATIONAL SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



INTERNATIONAL SEISMIC CREW COUNT, MARCH, 1988

Geographically, seismic exploration for oil and gas during March, 1988 was reported as follows (Fourth quarter, December, 1987 figures are shown in parentheses):

	UNITED STATES			CANADA	
	Land	Marine		Land	Marine
40 Contractors:	150 (157)	25 (24)	33 Contractors:	118 (62)	0 (0)
8 Oil Companies:	15 (15)	4 (3)	1 Oil Company	2 (2)	0 (0)
1 Government	0 (0)	0 (0)			
Totals:	165 (172)	29 (27)	Totals	120 (64)	0 (0)

(OVER)



	MEXICO	
	Land	Marine
3 Contractors:	16 (17)	0 (0)
1 Government:	5 (5)	0 (0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	21 (22)	0 (0)

	CENTRAL & SOUTH AMERICA	
	Land	Marine
6 Contractors:	42 (35)	4 (6)
3 Governments:	15 (17)	0 (0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	57 (52)	4 (6)

	EUROPE	
	Land	Marine
13 Contractors	32 (39)	20 (21)
1 Government:	1 (1)	0 (0)
3 Oil Companies:	15 (8)	0 (1)
Totals:	48 (48)	20 (22)

	MIDDLE EAST	
	Land	Marine
8 Contractors:	31 (27)	2 (1)
2 Governments:	8 (2)	0 (0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	39 (29)	2 (1)

	AFRICA	
	Land	Marine
9 Contractors:	22 (24)	9 (7)
2 Governments:	11*(11)*	0*(0)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	33*(35)*	9*(7)*

	FAR EAST	
	Land	Marine
12 Contractors:	48*(45)*	6*(6)*
3 Governments:	51 (48)	5 (2)
0 Oil Companies:	0 (3)	0 (0)
Totals:	99*(96)*	11*(8)*

MARCH TOTALS:

	Land Crews	Marine Vessels
United States:	165 (172)	29 (27)
Canada:	120 (64)	0 (0)
Mexico:	21 (22)	0 (0)
Central & South America:	57 (52)	4 (6)
Europe:	48 (48)	20 (22)
Middle East:	39 (29)	2 (1)
Africa:	33*(35)*	9*(7)*
Far East:	99*(96)*	11*(8)*
Totals:	582*(518)*	75*(71)*
<u>Total Crews and Vessels:</u>	657*(589)*	

*These totals include estimates from informed industry sources of additional unreported crews and vessels.